Precautions

EN

Setting up

Ensure that the mains supply in your house complies with that indicated on the identification sticker located at the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (7-10 cm). Make sure the ventilation slots are not covered. Do not stack other, or heavy equipments on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty.

This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electricity supply. In order to separate the player completely from the mains, it has to be disconnected by unplugging the mains plug, especially when left unused for a long period of time.

Caution

Protect the player from moisture and excess heat (e.g. fireplace) or equipment creating strong magnetic or electric fields (i. e. speakers ...). Disconnect the power cable from the mains electricity supply if the player malfunctions. Your player is not intended for industrial use but for domestic purposes only.

Use of this product is for personal use only. Copying CDs or downloading music files for sale or other business purposes is or may be a violation of copyright law.

DISCLAIMER OF WARRANTY: TO THE EXTENT ALLOWED BY APPLICABLE LAW. REPRESENTATIONS AND WARRANTIES OF NON-INFRINGEMENT OF COPYRIGHTS OR OTHER INTELLECTUAL PROPERTY RIGHTS RESULTING FROM THE USE OF THE PRODUCT UNDER CONDITIONS OTHER THAN AS HEREABOVE SPECIFIED ARE HEREBY EXCLUDED.

Condensation

If your player or a disc have been stored in a cold atmosphere, as for example during transportation in the winter, wait for approximately 2 hours until they have reached room temperature.

For your safety

Never open the player or any of its components. It can be dangerous for you or for certain fragile components. You could receive an electric shock or touch the laser beam. Do not place your eyes close to the opening of the disc tray or any other opening to look inside the player.

Discs

Always handle your discs with care. Hold a disc with fingers on the border or hole. Always place disc with the label facing upward (in case of a single-sided disc). Always place the disc properly into the tray using the proper guide area. Always use a soft cloth to clean discs if necessary, wipe from the centre to the border. Always put discs back into their cases after playing and store in a vertical position. Never try to play a Photo CD. Never use record cleaning sprays, benzine, static electricity liquids or any other solvent, if the disc surface is dirty. Wipe gently with a soft damp (water only) cloth, never wipe the disc in a circular motion, since circular scratches are likely to occur and could cause noise during playback.

DVD copy protection

In accordance with the DVD standard, your DVD player is equipped with a Copy Protection system, which can be triggered on and off by the DVD disc itself, in order to make any recording of the concerned DVD disc onto a videotape of very poor picture quality, or even impossible. “This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home use only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.”

Dear customer,

Please note that when this product will reaches the end of its service life, you will need to take responsibility for any special handling needed in its disposal.

THOMSON multimedia *shall not be responsible if the player is not used according to this manual.*

Discs you can play

Digital video discs - 12 cm and 8 cm, single or double sided, single or dual layer. Video DVDs are high-density optical discs on which digital signals are used to record high-quality sound and video.

Region code number

Your DVD player responds to the region management information recorded on a DVD disc. The region code for your player is region 2. So, if you are going to buy a DVD disc, pay attention to the logo: it has to be the right one. **ALL** means all regions.

Other regions - 1: USA, Canada - **2:** Europe, the Middle East, Rep. of South Africa, Japan - **3:** Southeast Asia, Taiwan - **4:** Central America, South America, Australia, Mexico, New Zealand - **5:** Russian federation, Africa (except Egypt and Rep. of South Africa), India, Pakistan - **6:** China.

Audio DVD - Audio DVD, the latest optical disc format for audio, is recorded on the same disc medium as video DVD. It consists in an optical DVD on which 5.1 multichannel digital sound (corresponding to 6 channels) is recorded, together with very high quality stereo sound.

DVD-R, DVD-RW, DVD+RW - Most **DVD-R** (one recording only), **DVD-RW** and **DVD+RW** discs (rewritable). Depending on the **DVD** writer and discs used.

Video CD (VCD) - Video Compact Disc.
CD on which you can record up to 74 min. of VHS-quality video associated with still images, audio tracks and interactive menus.

CD-R, CD-RW - Most **CD-R** (one recording only) and **CD-RW** discs (rewritable). Depending on the **CD** writer and discs used.

Audio CDs - Audio CDs and most recordable audio CDs (8 and 12 cm).

MP3 files - The disks containing **SOUND** files in MP3 format.

JPEG files - The disks containing **IMAGES** in JPEG format.

NTSC playback on PAL TV set - In addition to the PAL DVDs and video CDs, you may enjoy your favourite NTSC movies as well (a 60 Hz PAL compatible TV set is required). (For monitors with only NTSC input, please see p 12.)

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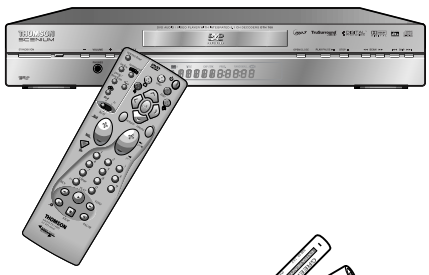
Initial setup ...

Before you start

Thank you for purchasing one of our videos. Unpack the set completely and tear off the protection films.

DVD player

Remote control

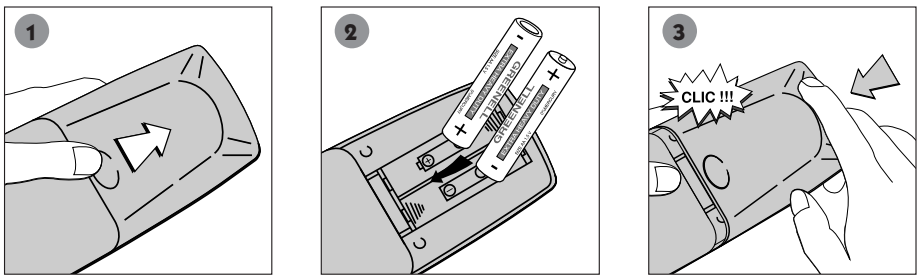


2 non-rechargeable batteries (AA type)

Scart/peritel cable

Instructions for installation and use

Initial setup of your remote control



Insert two LR06 or AA batteries in the remote control as shown opposite.

Do not mix different types of batteries or new and old batteries. Do not use rechargeable batteries. In order to avoid any risk of explosion, observe polarities indicated inside the battery compartment. Replace only with the type of batteries specified above. Do not throw them into fire, do not recharge them. If you are not using the remote control for a long period of time, remove the batteries.

Please respect the environment and prevailing regulations. Before you dispose of batteries ask your dealer whether they are subject to special recycling and if he accepts to take them back.

Initial setup of your DVD player

BASIC CONNECTIONS

You have several connection possibilities, depending on the devices you have. Here, we give you the recommended connection setup. For other connection setups, refer to the next page.

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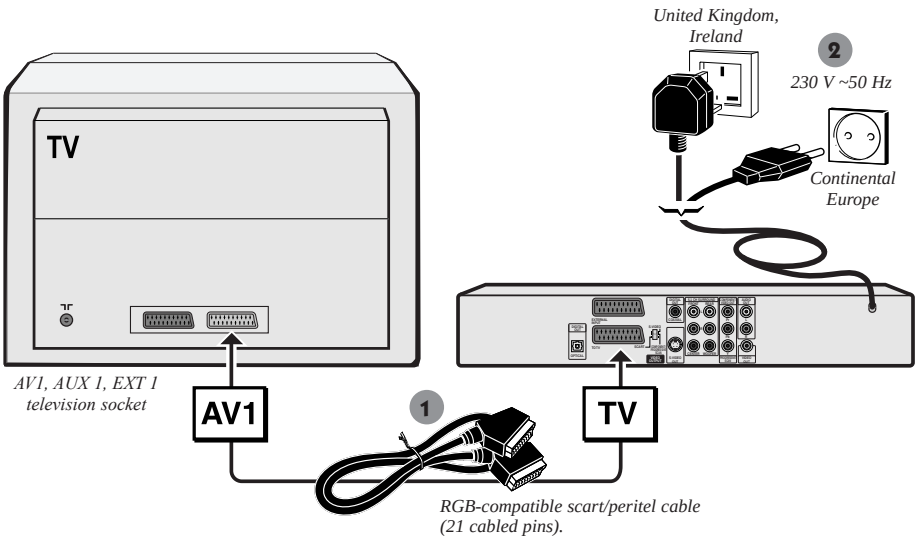
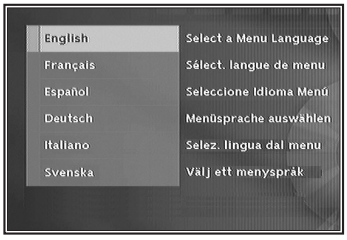


Always switch off the devices before you connect them.

INITIAL PLAYER SET-UP (BASIC SETTING)

1. **Turn on your TV set.**
2. **Turn on your DVD player by pressing the STANDBY / ON button (on the front panel).**

   The first time you turn on your player, it will ask you to select a preferred language for the various displays via the menu which appears on your TV screen. If this menu is not displayed, on your TV screen select the AV socket to which you connected your player. The player menus as well as the dialogues and subtitles of the DVDs will always be presented in the language you've chosen if it is available on the discs played.

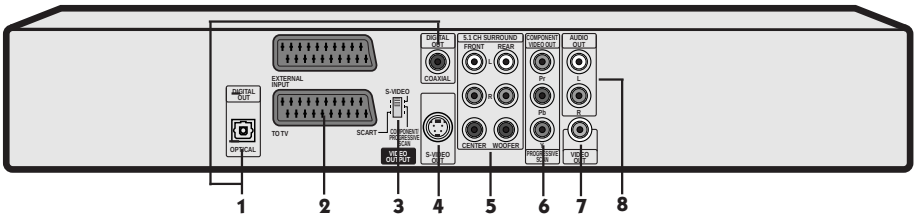


3. **Select the language using Navigation keys** on the remote control then press ***ok*** to confirm.

   You can now watch a DVD or listen to an audio CD. However, we recommend you complete the initial player set-up in order to adapt its performances to those of your other devices. See pages 12 to 13.

Other connections

The connection setup shown on page 5 provides a rapid connection of your player. This setup gives standard-quality sound reproduction and an optimum-quality picture (RGB). You may need to use other connection setups suited to the connectors available on your other devices or to get maximum performance out of your player. Your player has other sockets for these purposes.



1 **Digital Audio Out sockets** (optical or coaxial) to amplifier or TV.

2 **SCART/PÉRITÉLÉVISION output** (1) : RGB output to AV amplifier or TV if button **3** is set to **SCART** or on CVBS if button **3** is set to another position.

3 **VIDEO OUTPUT** is used to select the type of output signal: **SCART** for the **TV** connection (Scart/Peritel) (**2**), **COMPONENT** for **COMPONENT VIDEO OUT** connections (**6**), or **S-VIDEO** for the **S-VIDEO OUT** connection (**4**).

4 **S-VIDEO Out sockets (Ushiden signals Y/C)**: to AV amplifier or TV.

5 **Digital audio output** vto **channels 5.1** amplifier.

6 **Progressive Scan output (Y, PB, PR)** : to TV or devices equipped with equivalent inputs with button **3** on **COMPONENT VIDEO OUT**.

7 **Composite Video Out sockets (CVBS)**: to AV amplifier or TV (standard-quality picture).

8 **Analogue Audio Out** sockets to **stereo** amplifier.

Connections

The table below lists the connectors and quality of your player's output signals. Select one of the 4 connection setups shown for video connection and one of the 3 connection setups shown for audio connection.

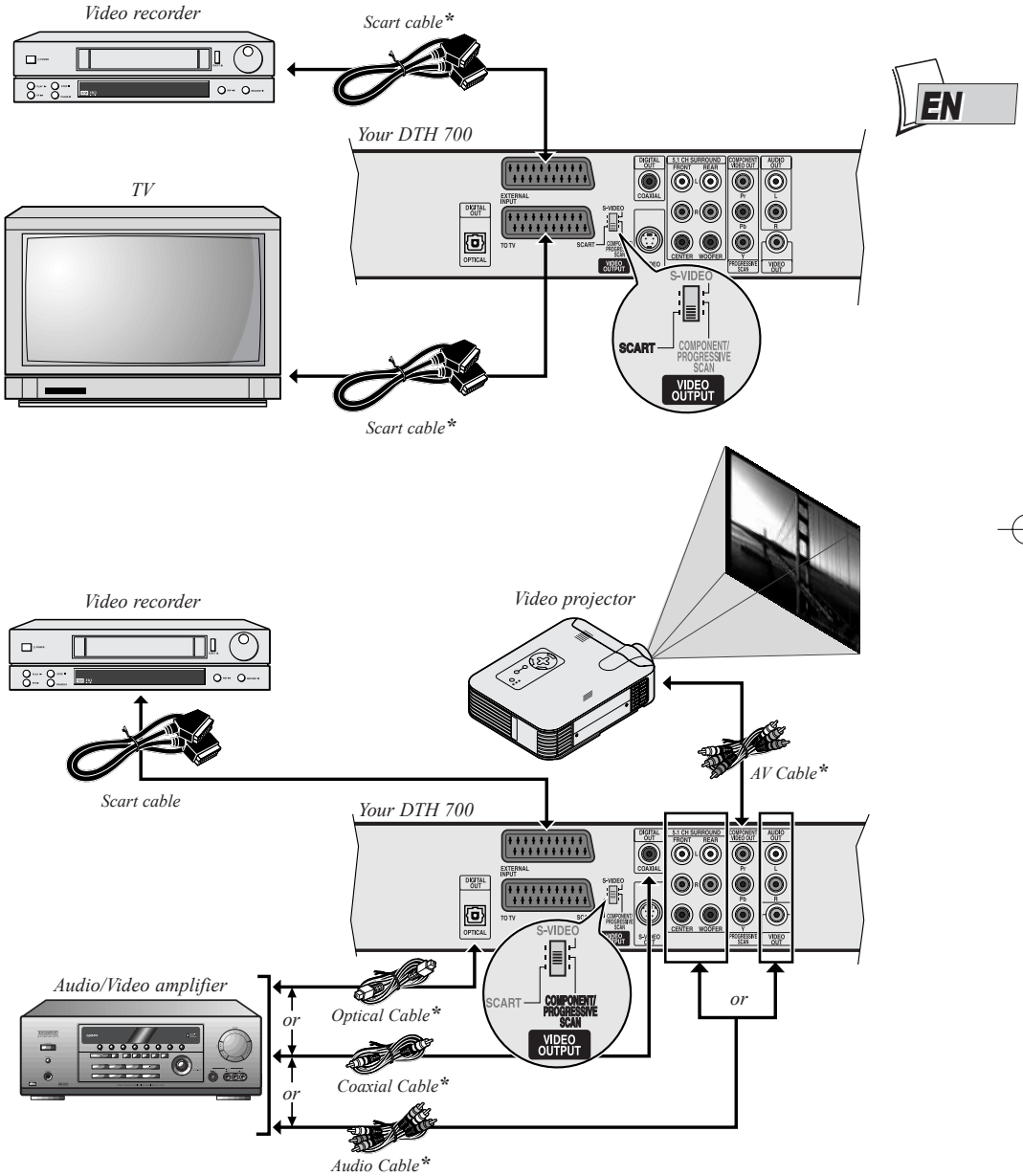
Video connections (picture)

Picture quality	Type of connector used
***	• **TV** socket (**2**) (SCART socket – RGB signals)
***	• Components sockets **Y**, **Pb**, **Pr** (**6**) (RCA sockets - signals Y, PB, PR)
**	• **S-VIDEO OUT** socket (**4**) (Hosiden socket- Y/C signal)
*	• **VIDEO OUT** sockets (**7**) (RCA sockets- CVBS signal)

(1) *Connection through the scart socket supplies both video and audio signals. If you choose the connection using a scart cable, you don't need to connect any other sockets. Make sure that button **3** at the back is positioned on **SCART** and that your TV set supports that type of signal.*

If the connecting cables are not supplied with your player, get good-quality cables, preferably well-known brands.

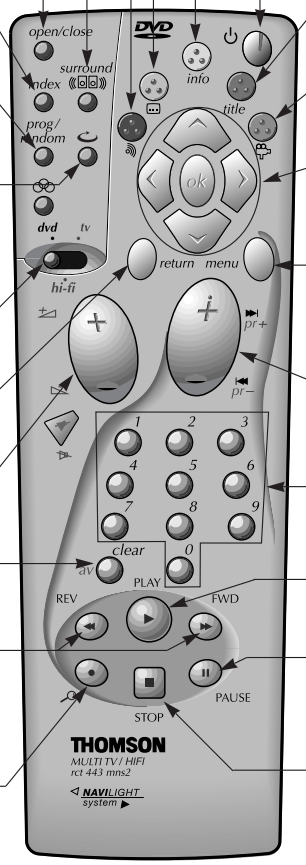
Connections example



* : not provided

Remote control

- Displays (or hides) the dialogue language and sound format.* *(➡ page 23)*
- Displays (or hides) the subtitle language.* *(➡ page 24)*
- Starting or stopping the Surround Virtual Sound (1) available on two **AUDIO OUT L** and **R** (**2**) sockets at the back of the device. *(➡ page 6)*
- Displays the functions banner. *(➡ page 11)*
- Switches off the unit (placing it on stand-by).
- Opens and closes the player's disc tray.
- Displays the contents of a DVD*. *(➡ page 10)*
- Displays the sequence marking function (Video DVD and Audio CD) *(➡ page 19).*
- Displays the viewing angle selection function on a DVD*. *(➡ page 20)*
- Direct access to Play mode from the functions banner *(➡ page 11).*
- Navigation keys:
  - Selects a function in a menu or banner,
  - **ok** key to validate a selection.
- Repeats the last scene. Each press steps backward 10 seconds during DVD playback (Video DVD).
- Displays the disc menu (if available) during playback or when resuming playback. *(➡ page 10)*
- Place the selector on the ***dvd*** to control your DTH 700.
- Skips forward or backward a chapter (DVD) or track (CD).
- Returns to the previous menu or hides a banner.
- Inputs digital values *(➡ page 16).*
- TV Sound level.
- Returns to the previous menu or hides a banner.
- Plays a disc. *(➡ page 15)*
- Fast forward or backward. Fast playback (forward or backward).
- Frame-by-frame advance in FRAME mode.
- Pause playback, and switch to Frame advance mode. *(➡ pages 15-16)*
- Enlarges the picture during playback, slow motion or pause mode. *(➡ page 20)*
- Temporarily or completely halts disc playback (press once or twice).



*1 The **Surround Virtual Sound** simulates the effects of a multichannel audio system on the two paths of a stereophonic system.*

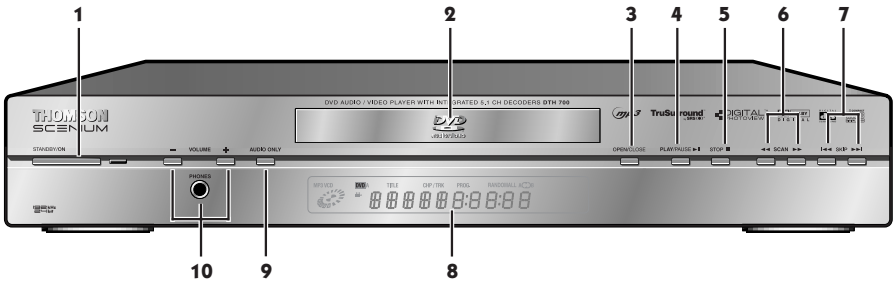
** If available on the disc being played.*

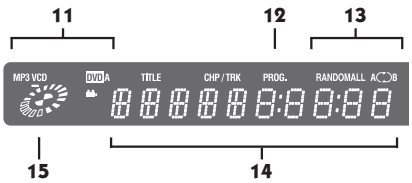
Front panel display

1. **STANDBY/ON**
   Player on stand-by: Indicator light on.
   Player on: display lit.
2. Disc tray.
3. **OPEN/CLOSE**: To open and close the disc tray.
4. **PLAY/PAUSE**: To read the disc, pause on a still frame (DVD) or pause audio playback (Audio or MP3 CD).
5. **STOP**: To stop playback.
6. **SCAN**: Fast forward (⏩) or fast reverse (⏪) (➔ page 15) and Progressive Scan (➔ page 12) function cancellation.
7. **SKIP**: To skip a chapter forward (⏭) or backwards (⏮). (➔ page 15)
8. **Front panel display**
9. **AUDIO ONLY**: Cuts off all output to Video connections for Audio DVDs.
10. **PHONES**: Headphone connection.
    -VOLUME+: Adjusts the headphone volume level.

EN

Player keys



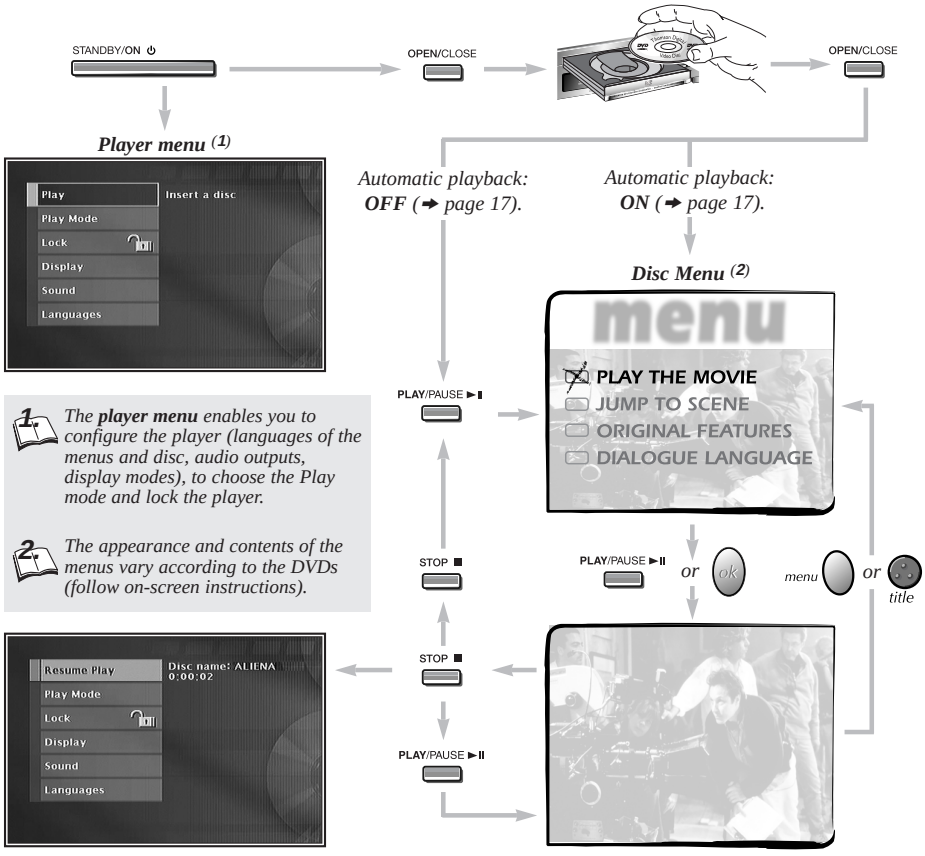


On the display

11. Disc in the player:
    DVD : Video DVD
    DVD A : Audio DVD
    CD : Audio CD
    MP3 : CD-R containing MP3 files
    VCD : Video CD.
12. **PROG.** : Programmed playback is being used.
13. **RANDOM** : Random playback.
    ALL ↻ : Looped disc playback function.
    A↻B : Repeat playback between two points.
    ↻ : Repeat playback of the audio track.
14. Time elapsed
    - DVD ➔ hours, minutes, seconds.
    - Audio CD ➔ minutes, seconds.
    - ***PAUSE*** : Pause playback.
15. Lits and turns according to Play mode (normal, fast, slow).

Menus...

The functions of your DVD player are not all accessible directly through the remote control or front panel keys. A certain number of functions are accessible through menus that you can display or remove as you wish. ***These menus are used as follows****:*



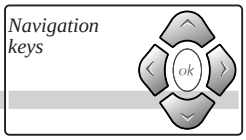
1 *The* ***player menu*** *enables you to configure the player (languages of the menus and disc, audio outputs, display modes), to choose the Play mode and lock the player.*

2 *The appearance and contents of the menus vary according to the DVDs (follow on-screen instructions).*

Selecting menu functions and options using the remote control Navigation keys

1. **Display** the menu by pressing the ***menu*** key (disc loaded = Disc Menu) or **STOP** key (= Player Menu).
2. **Select** a menu or function by pressing the **Navigation** key.
3. **Validate** your selection by pressing ***ok***.
4. Change **Settings**, by pressing the **Navigation** keys.
5. **To exit** the menus, press ***menu*** (or ***title*** (Disc Menu)) or **go back** to the previous menu by pressing ***return*** (Player Menu).

♦♦ and banners

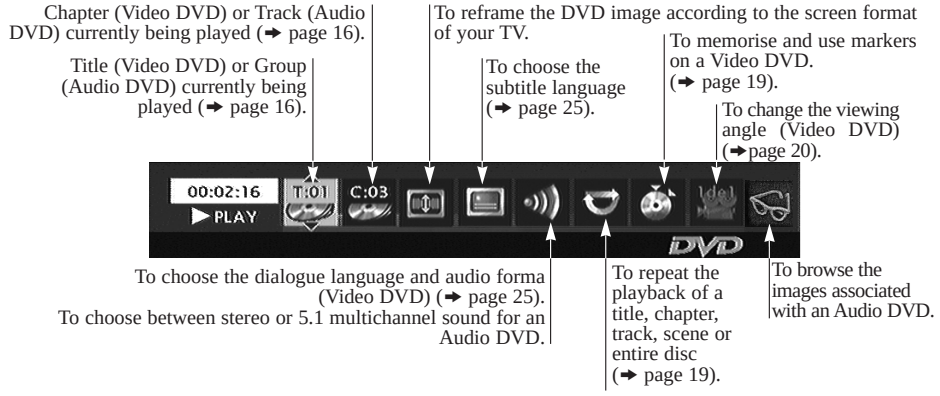


In addition to menus, your player also has banners which display the main settings related to disc playback and operation.

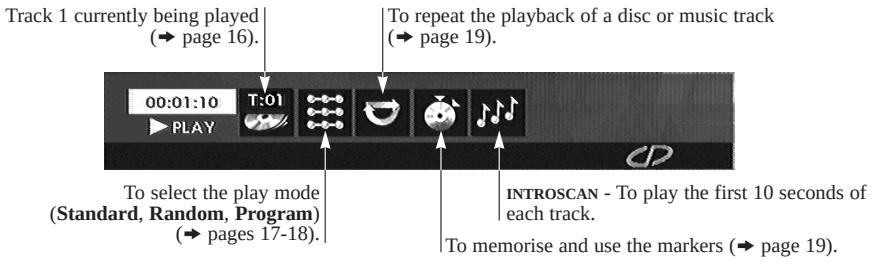
1. Load a disc and press **PLAY** to start playback.
2. To display the banner, press the yellow ***info*** key.
3. Choose an icon using the **Navigation** keys or enter a digital value with the number keys to access a chapter or a title.
4. To remove the banner, press the yellow ***info*** key.

EN

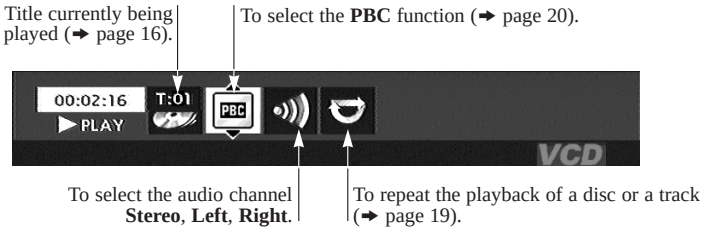
With a Video DVD or Audio DVD


Chapter (Video DVD) or Track (Audio DVD) currently being played (➡ page 16).
Title (Video DVD) or Group (Audio DVD) currently being played (➡ page 16).
To reframe the DVD image according to the screen format of your TV.
To choose the subtitle language (➡ page 25).
To memorise and use markers on a Video DVD. (➡ page 19).
To change the viewing angle (Video DVD) (➡page 20).
00:02:16
PLAY
T:01
C:03
DVD
To choose the dialogue language and audio forma (Video DVD) (➡ page 25).
To choose between stereo or 5.1 multichannel sound for an Audio DVD.
To repeat the playback of a title, chapter, track, scene or entire disc (➡ page 19).
To browse the images associated with an Audio DVD.

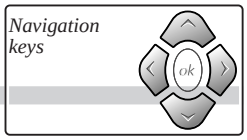
With an audio CD


Track 1 currently being played (➡ page 16).
To repeat the playback of a disc or music track (➡ page 19).
00:01:10
PLAY
T:01
CD
To select the play mode (**Standard**, **Random**, **Program**) (➡ pages 17-18).
INTROSCAN - To play the first 10 seconds of each track.
To memorise and use the markers (➡ page 19).

With a VCD (Video CD)


Title currently being played (➡ page 16).
To select the **PBC** function (➡ page 20).
00:02:16
PLAY
T:01
PBC
VCD
To select the audio channel **Stereo**, **Left**, **Right**.
To repeat the playback of a disc or a track (➡ page 19).

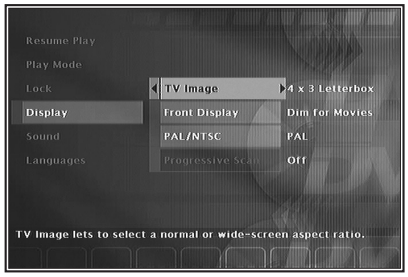
Display menu



*The **Display** menu provides you with settings to adapt the **picture format** and **TV standard** (PAL/NTSC) to that of your TV set. You can also adjust the **brightness** of the player's **display panel** and activate the **Progressive Scan** function.*

When the player menu is displayed (in stop mode):

1. select **Display** using the **Navigation** keys,
2. press ***ok*** to validate,
3. select a function using the **Navigation** keys,
4. adjust the setting using the **Navigation** keys.



Picture format

*Depending on the format of the DVD being played, use the **TV image** function to choose the format of the picture which best suits the format of your TV screen (2) - letterbox format 16 x 9, or standard format 4 x 3.*

- With a letterbox format TV (16x9), select **16 x 9 widescreen**. Films in 16x9 will be fully displayed. Films in 4x3 will have vertical black bands on each side of the picture.
- With a 4x3 television, select **4 x 3 Letterbox** to take advantage of the pictures recorded in that format (3) or 16x9. Select **4 x 3 Standard** to take advantage of a 4x3 picture without distortion. For films in 16x9, the edges of the picture may extend beyond the edges of the screen.

2. On certain DVDs, the picture format cannot be changed.

3. Horizontal black bands at the top and bottom of the screen.

Front Display

Depending on the brightness of the room where you've installed your player, select one of the 4 settings to adapt the brightness of the display panel to suit its environment.

- Select **Front Display**, validate with ***ok*** then tick one of the **Dim for Movies**, **Off for Movies**, **Always Bright**, **Always Dim** adjustments.

PAL or NTSC television

If the picture on the DVD being played appear in black and white on your TV screen, the standard of the video signals transmitted to your TV is incorrect. Change the video signal from PAL to NTSC (1) or vice versa. NTSC must be selected if the TV is connected to the player through the Y, Pr and Pb connections.

- Select **PAL/NTSC** then with the ***ok*** key choose **PAL** or **NTSC**.

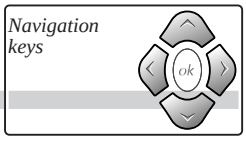
*1. **PAL** is the name of the colour coding system used in most European countries.*
__NTSC__ is the name of the colour coding system used in the United States and some other countries.

Progressive Scan (Progressive Scan)

- To display images on a TV equipped with the Progressive Scan function, you must activate this function on your player by setting the **Progressive Scan** line to **On** (only available when **NTSC** is selected and the selector (marked **(3)** on page 6) at the rear of the player is positioned on **COMPONENT**).

Warning: If you select **Progressive Scan** - **On** in the **Display**, menu, video output from the other Scart and RCA connections will be deactivated. To reactivate video output from the other Scart and RCA connections, you must press and hold down the **SCAN** button (⏭) on the front of the player for several seconds (5 secs.)

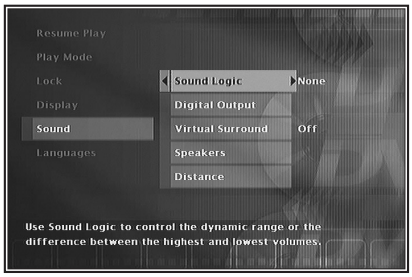
Sound menu



*The **Sound** menu provides you with settings so you can adapt your player to the devices connected. It also enables you to access specific functions.*

When the player menu is displayed (in stop mode):

1. select **Sound** using the **Navigation** keys,
2. press ***ok*** to validate,
3. select a function using the **Navigation** keys,
4. adjust the setting using the **Navigation** keys.



EN

Sound Logic

This function is designed for modifying a disc's sound output by boosting or attenuating certain settings. For night-time listening, use dynamic compression to avoid disturbing your neighbours. The player then adjusts the differences in sound levels. It becomes easier to hear soft sounds while the louder sounds are dampened.

• Select **Sound** then **Sound Logic**, and press ***ok*** to validate. Select **None** Aucun if you want to retain the original sound, **Compressed** to dampen differences in sound levels by using digital compression, or **Voice+** to boost the central channel's sound in 5.1 multichannel playback.

Virtual Surround (SRS (1) - TruSurround)

This function provides you with virtual reproduction of the multichannel sound of a Dolby or DTS film onto the two channels of your TV or stereo amplifier. The sound effects of a 5.1 system are then simulated.

• Select **Sound** then **Virtual Surround** and position the function on **On** with the ***ok*** key.

Digital audio output

Depending on the audio device connected to the digital output (coaxial or optical), you should parameterize your DVD drive with the help of the following instructions.

• Select **Digital Output**, then configure all settings (**Dolby Digital**, **DTS**), using the **Navigation** keys.

Select DOLBY or DTS if your player is connected to an amplifier with an integrated Dolby DTS decoder.

If the DVD disc contains an audio format of higher quality than 48kHz/16bit (maybe 96kHz/ 24bit), the player has to convert into a format compatible with DAT or MD.

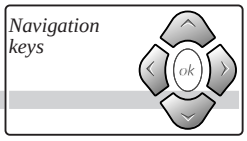
1. **TruSurround**™ *and the* (●)ˢ *symbol are registered trademarks of* ***SRS Inc****. The* ***TruSurround***™ *technology is manufactured under license from* ***SRS Inc****.*

2. DOLBY DIGITAL ***Dolby Digital*** *is a sound compression technique elaborated by Dolby Laboratories for digital audio multichannel signals. The Dolby Digital system enables any audio channel configuration, from a stereo sound (2 channels) up to the digital "surround" sound 5.1.*
«Dolby Digital» and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Copyright 1992 Dolby Laboratories Inc. All rights reserved.

3. dts DIGITAL OUT ***DTS*** *is a digital sound compression technique developed by* ***Digital Theater Sound Systems*** *for digital audio multichannel signals.*
*"**DTS**" and "**DTS Digital Out**" are registered trademarks of* ***Digital Theater Systems inc****.*

4. ***PCM***
If the device connected to the DIGITAL AUDIO OUT sockets does not support Dolby or DTS signals, your player will deliver PCM (Pulse Code Modulation) signals. In that case, neither Dolby Digital, nor DTS must be ticked.
The linear PCM is a signal recording format used for CDs. CDs are recorded in
44.1kHz /16bits. DVDs are recorded in 48kHz / 16 bits, or even up to 96kHz / 24 bits.

Channels 5.1 adjustments



The adjustments on this page allow you to adapt your DVD drive to 5.1 audiooutputs used to connect an amplifier. You will thusdetermine the adjustment of the speakers connected to the amplifier.

When the player menu is displayed (in stop mode):

1. select **Sound** using the **Navigation** keys,
2. press ***ok*** to validate,
3. select a function (**Speakers** or **Distance**) then validate with ***ok***,
4. adjust the setting using the **Navigation** keys.

Speakers

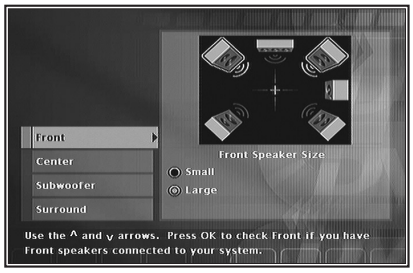
The loudspeaker settings enable the player to direct the bass sounds (low frequencies) to the subwoofer or to the loudspeakers that will best reproduce the acoustic effects intended by the disk publisher. Your player cannot allow certain settings that would be inconsistent with optimum use of your Home Cinema equipment.

Front: select **Large** (1) or **Small** according to the size of the speakers.

Center: select **None**, if you have not connected a central speaker. Select **Large** (1) or **Small** according to the size of the speaker.

Subwoofer: select **None** if you have not connected a bass box. If you have select **Yes**.

Surround: select **None**, if you have not connected back speakers. Select **Large** or **Small**, depending on the size of the speakers.



1. ***Large**: the bandwidth of the speakers should cover the lowest frequencies (less than 50Hz).This is generally the case with big speakers.*

***Installation of speakers.** It is recommended that you place your back speakers in such a way that they are closer to the spectator than the front and central speakers.*

Distance

This function enables optimisation of the "audio image" of DVDs according to the distance of the speakers from the listening area.

Front: adjust the distance between the spectator and the front speakers (2) (from 1.5 to 6 meters).

Center: adjust the distance between the spectator and the central speaker (3) (from 1.5 to 6 meters).

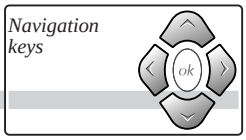
Surround: adjust the distance between the spectator and the back speakers (3) (from 1.5 to 3 meters).

Front
Center
Surround
Front Speaker Distance
2.5
m
Use the ^ and v arrows to highlight the delay you want to adjust. Press OK to adjust the front speaker delay.

2. *The distance of the front speakers should not be less than that chosen for the central speaker.*

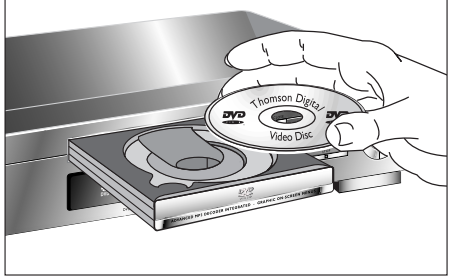
3. *The distance cannot be adjusted if you selected "**None**".*

Basic functions



Loading a disc

Loading a "single-sided" disc.



1. Open the disc tray by pressing the **OPEN / CLOSE** key.
2. Insert a disc. The disc label must face upwards (Audio CD, Video CD, single-sided DVD (1), etc.).
3. Close the disc tray by pressing the **OPEN / CLOSE** key.

1. Double-sided discs have a small label on both sides near the centre. With most DVDs, a disc-specific menu appears. In that case, follow the instructions.

EN

Playing a disc

Disc playback starts as soon as the tray is closed (if programmed ➔ page 17). If it doesn't start automatically, press **PLAY**.

- With a DVD, the disc menu appears. Press ***ok*** to start playback or select another option (4), in the disc menu using the **Navigation** keys. To validate your selection, press ***ok***.
- With an audio CD or video CD, playback starts.

To access a specific CD track, DVD title or chapter, press the ***info*** key to display the Info banner (➔ page 11) or press ***pr +***.

To stop playback momentarily (2) press **STOP** once. Press twice to stop it completely (3).

*2. The player has memorised the last scene on the disc. If you now press **PLAY**: playback starts from this point. To erase **Resume memory**, press **STOP**. Your player records which was the last scene it played in the last DVD.*

Resume memory does not work with interactive discs (without elapsed play time information).

3. If the player is left in STOP mode for more than 2 minutes without any user interaction, a screen saver will be activated (fade in / fade out). After several minutes in STOP mode, the player switches off automatically without you needing to do anything.

4. Depending on the DVDs, it may be possible to change the language during playback (➔ page 25).

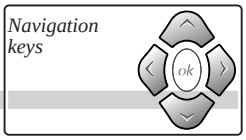
Quick search of images or a track

In Play mode, start the Forward or Reverse fast motion playback (1) using the **FWD** or **REV** keys (2).

1. Press once or several times for higher speeds.

2. You can also use the player keys.

• In search mode, no sound is heard on DVDs.



Some Video DVDs contain several titles. These titles correspond to films, documentaries or other programs. As a general rule, each title is divided into numbered chapters. Audio DVDs contain groups of tracks. On audio CDs, the music tracks can be accessed directly. Video CDs may also contain Indexes.

Still picture and frame advance (DVD and Video CD)

Press once on **PAUSE** (1) to put the film on pause.
Press on **PAUSE** a second time then on the **REV** or **FWD** key to visualise the images one after the other.

1 Video CDs and DVDs. After 2 minutes in PAUSE mode, the screen saver is activated.

Slow motion (DVD and Video CD)

Press **PAUSE** then **FWD** or **REV** (1) to view one frame at a time either forward or backwards.

1 Press once or several times for higher speeds.

Titles, chapters, time elapsed, audio and subtitles

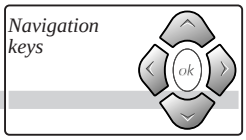
From the banner, you can access certain functions directly using the **Navigation** keys. Choose a title or a chapter (DVD), or a track (CD). Change the language of DVD dialogues or subtitles.

For direct access to a specific scene on the disc, select the first icon with the **Navigation** keys. Enter the requested place in the scene (expressed in hour, minutes, seconds) with the remote control number keys. (enter **001205** to access a scene which is 12 minutes and 5 seconds away from the start of the disc (DVD) or track).

- *With certain discs, direct access to a scene is not possible even if the time elapsed is shown on the banner.*

- *This symbol is sometimes displayed. It indicates that the function is not available or that the key used is incorrect.*
- *A question mark in the counter zone indicates an input error.*

Play modes

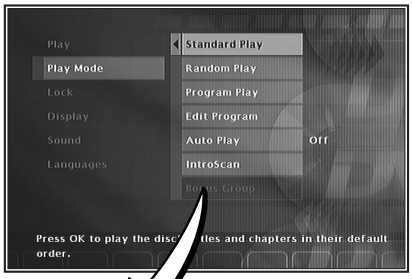


*Your player has several Play modes: **Standard play** which follows the order of the tracks, titles and chapters on the discs; **Random play** which plays the sequences or music tracks in a random order; **Program play** which allows you to choose the sequences or music tracks and the order in which they are to be played; **Auto play** which starts playback as soon as the disc tray is closed.*

EN

Load a disc and press **STOP**. The player menu appears.

1. select **Play Mode** using the **Navigation** keys,
2. press ***ok*** to validate,
3. select a function using the **Navigation** keys,
4. adjust the setting using the **Navigation** keys.



	Audio CD	Video DVD	Audio DVD	CD MP3	Video CD
Standard play	x	x	x	x	x
Random Play	x				
Program Play	x	x	x	x	
Edit Program	x	x	x	x	
Auto Play	x	x	x	x	x
Introscan	x				
Bonus Group			x		

• *For the display and use of the menus, refer to page 10.*

• *The functions available in each Play mode depend on the type of disc played (DVD, Video CD, Audio CD, etc.).*

Auto Play or Standard playback

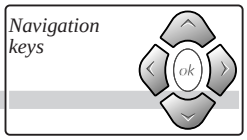
Choose **Auto Play On** with the ***ok*** key if you wish the disk to be automatically read after closing the drawer. If you select **Auto Play Off**, you will need to press **PLAY** to start playback.

Random play (Audio CD)

Choose **Random Play** (1) with the ***ok*** key to listen to audio CD (2) or to watch a DVD in any order determined by your drive.

1. *Random play is not available if the **Lock Player** function is enabled. It does not work with Video CDs.*

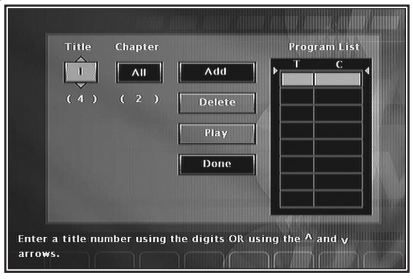
2. *Audio CD - This function can also be accessed through the banners (➔ page 11).*



Programming playback

To use the programmed play function, you must first make up the list of music tracks (Audio CD or MP3 CD) or chapters (DVD) you want to play. You can memorise up to 20 tracks or chapters.

Load a disc and press **STOP**. The player menu appears.



1. Select **Edit Program** with the **Navigation** keys then validate with ***ok***. The programming menu appears.
2. Follow instructions **a**, **b**, **c**, **d** to make up your selection.

a. Choose a title then a chapter (or a track only for an Audio CD or MP3 CD) using the **Navigation** keys or the remote control number keys.

b. Select **Add** (1) then press ***ok*** to validate. Check that the title has been memorised in table (2).

c. Repeat steps **a** and **b** as many times as you wish.

d. Select **Play** and validate by pressing ***ok*** to start programmed playback (2).

*To remove a section or range select it in the list then select **Delete** and validate with **ok**. If you wish to insert a title between 2 other titles, **Add** will be replaced by **Insert**.*

With an audio CD, the track of the song and its playing time will appear in the table. With a DVD, the title and chapter numbers will be displayed in the table.

*To exit the programming function, press the **return** key on the remote control.*

Program play (for DVDs and Audio CDs)

Select **Program Play** if you want to listen to an audio CD or watch a DVD in the order that you have pre-programmed using a list (1). To choose the reading order see above and display the list by selecting **Edit Program**.

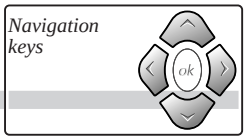
*If you haven't made up your list, **program play** will not be possible.*

Bonus access (for Audio DVDs)

Some Audio DVDs offer hidden information that you can only access after you enter a password (1). Select **Bonus Group** and press ***ok*** to validate. Enter the password and then enjoy the Bonuses offered on the disc.

The password is generally shown on the disc cover or can be found on the disc publisher's Web site.

Repeat playback / Sequence marking



To repeat the playback of a title, chapter, track, scene, selected A-B segment or entire disc. Your player enables you to mark your favourite DVD scenes or music tracks on audio CDs thanks to a marking function accessible through the banner.

EN

Repeat play

Select the **Repeat Mode** icon in the banner using the **Navigation** keys. With the **Navigation** keys, select one of the following functions: **Disc Repeat - Title Repeat - Chapter Repeat - A-B Press OK to set A point - A-B Press OK to set B point**.

- *Repeat functions remain active until you turn them off, open the disc tray or turn off the power.*

- *Repeat play only works with discs that show the elapsed time on the display.*
- *VCD or S-VCD repeat playback is not available in PCB mode.*

Repeat playback of a scene between two points

1. Select the repeat play function and choose **A-B** with the **Navigation** keys.
2. Press ***ok*** to memorise the beginning of the scene you want to repeat.
3. Wait a few seconds before pressing again on ***ok*** to mark the end of the sequence to be repeated (point **B**). **A-B Repeat** appears to tell you that the repeat playback of the sequence is starting.

To stop repeating the sequence, select **Off** with the **Navigation** keys or press **STOP**.

- *If during a fast forward or backward reading the **B** point is reached, the player will proceed at normal speed from the **A** point*

- *If during a fast search the **A** point is reached, the player will start reading at normal speed from the **A** point.*
- *The **A-B** repeat mode will be cancelled if you press **STOP**, if the disc is ejected or if another repeat mode is selected.*

Sequence marking (DVDs and Audio CDs)

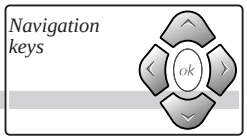
1. Display the banner using the ***info*** key.
2. Select the marking icon using the **Navigation** keys. Press ***ok*** to validate and display the marking banner. It offers you a choice of 6 sequence marking options.
3. Choose one of the 6 positions on the banner using the **Navigation** keys.
4. Press ***ok*** to mark the beginning of a scene.

- To play a scene with a marker, select the ▷ button then press ***ok*** to validate.
- To delete a marker, select the 🗑 button then press ***ok*** to validate.

- *This function enables you to mark up to 6 scenes or music tracks per DVD or CD, on several different discs.*

- *The Marking function only works with discs that show the elapsed time on screen.*

Other functions



Video CD - Menu de contrôle de lecture (PBC)

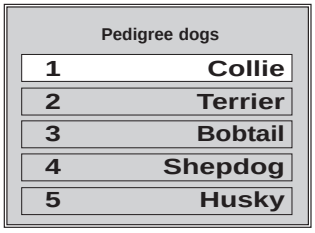
According to the processing or recording software used your drive will read the discs containing the VCD or S-VCD format video (1).

The functions described in this paragraph are only available if PBC mode has been activated using the functions banner.

Some Video CDs (2) have scenes and information which can be selected interactively through an on-screen menu.

This menu (3) appears when the disc is loaded. Use the remote control number keys to select an item in the menu.

- Depending on the disc, the menu may extend over more than one screen. To see the other screens, use the |◄◄ / ►►| skip keys.
- Some discs displaying a menu at start up will automatically go in to play mode if nothing is changed on the menu after a certain period of time.



To select 1, you must validate by pressing ***ok****.*

Press **PLAY** to start playback.

- To return from playback to the menu, press ***return***.

Press **STOP** to stop playback and remove the menu.

- Complete stop is obtained by pressing **STOP** key twice.
- Even after the player has finished playing a programme, the disc may continue to rotate while the menu is displayed. When no further selections are to be played, press **STOP** to exit the menu.
- During playback, press yellow ***info*** key: info strip is displayed on-screen.

1. *VCD: Video CD ➜ MPEG 1format*
   S-VCD: CD Super Video CD ➜ MPEG 2 format
   Compatibility between your player and S-VCD discs is dependent on the quality of the software used to produce your S-VCD disc.
2. *Video CD, version 2.0 with playback control (PBC). When the PBC function is present on the disc, "PBC" is printed on the disc jacket.*
3. *Some version-2 Video CDs with PBC may not have an on-screen menu. In that case, they function like version-1.1. video CDs or audio CDs.*

To record your CD, please read our advice on page 23.

Video DVD - Camera angles

On certain DVDs, scenes may be recorded under various angles (up to 9 viewing angles). In that case, an icon appears on the TV screen.

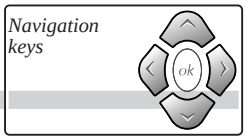
To change the viewing angle, use the **Navigation** keys when the icon is displayed on the TV screen.

To access the viewing angle icon directly, press the key on the remote control.

Video DVD and Video CD - Zoom

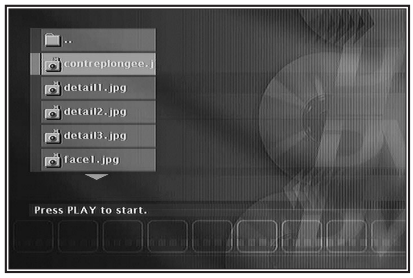
To blow up the picture (1 to 4 times) during playback, press the key repeatedly on the remote control. To see a specific spot, move the zoom with the **Navigation** key. To return to normal viewing, press repeatedly on the key until **ZOOM 1x** is displayed in the on-screen window.

Reading JPEG and MP3 files



Reading JPEG files

Your player can read discs containing JPEG image files with a resolution of up to 2 million pixels. If automatic playback mode was selected, a slide show displaying each image recorded on the disc will start automatically; if manual playback mode was selected, you will be asked to select each image for display individually. If automatic playback mode was selected, the menu used to set each image's display time is displayed. Use the remote control's **Navigation** keys to select each image's display time. Validate by pressing ***ok***; all files (and/or folders) recorded on the disc are then listed. Press the remote control's **Navigation** keys to select an image (or folder, if there are any) and then press ***ok***.



EN

• *No banner is displayed when JPEG image files are being shown.*

• ***JPEG information**: Visualizing a JPEG photo on the screen of your TV does not require large resolutions. We recommend that you reduce the size of your files with a suitable software package with a photography retouching software before -recording. Some JPEG files might conflict with the DVD Player. Some JPEG files might not be capable of being displayed. If one or more of the JPEG files is too large for the DVD player to read, Incompatible picture size appears on the screen. Also, when a disc contains multiple files, a larger file can sometimes block the player from displaying all of the other JPEG files on the disc.*

What's MP3?

MP3 is the audio **file format allowing** you to easily compress music recordings, and was **co-developed** by **THOMSON** .

The main advantage of MP3 is that it enables storage of CD-quality music tracks on a home computer in manageable, compressed files.

Thanks to compression you now only need about 4 Mb of disc space for a 4 minute music track, compared with some 40 Mb for conventional file formats, but with almost no reduction in listening quality!

MP3 CD Playback

When you play an MP3 disc, the MP3 menu will be displayed instead of the DVD player menu. The DVD player menu is not available when playing MP3 discs. MP3 content is divided into album(s) and songs. A disc may hold several albums and each album can contain several songs. (Similar to titles and chapters on a DVD disc.)

- Use the remote control **Navigation** keys to select albums and songs.
- As computer files, several levels (several albums) may be recorded on a disc.

Song skip

- Press repeatedly on the ►►| or |◄◄ keys to go to the previous song or to the next one. Press as many times as the number of songs you want to skip (wait a few seconds after each press).

Audio DVD playback

About Audio DVDs

Audio DVD is a new digital recording format for audio discs. This format is based on the success of Video DVDs containing 5.1 multichannel sound.
*Audio DVD therefore gives you new sound sensations by spreading the sound over 6 loudspeakers (6 x 96 KHz/24 bits analogue channels). If possible, therefore, you should connect the player to a 5.1 amplifier using the 6 channels (marked (**5**) on page 6) as this gives the best 5.1 sound quality. Connecting the player in this way is also recommended for Video DVDs.*

*The digital connections (marked **1** on page 6) should only be used with an amplifier that has no 5.1 analogue input connections. The audio (1) sound quality is not as good as through the 5.1 connections.*

Many Audio DVDs contain video, in the form of information (bibliographies, titles list, etc.), video clips, photos, etc.

Groups

Some discs are divided into several groups that are accessed through the functions banne (1).

While a disc is playing, press the remote control's ***info*** key and use the navigation keys to select the group icon (G:2) and then display which groups are available.

Browser (Browse)

Audio DVDs (2) contain large amounts of varied information. The way in which this information is presented varies from one disc to another. With some Audio DVDs, you can display the images contained on the disc, one at a time, using the info banner's Browser (Browse) icon.

While a disc is playing, press the remote control's ***info*** key and use the navigation keys to select the browser icon (Browse) and then display the different headings contained on the disc.

1. *In accordance with the DVD standard and the protection of copyright, the quality of the Audio signals available through the digital output connections (marked (1) on page 6) is limited, to match that of Audio CDs (48 KHz/16 bits).*

2. *What is contained on Audio DVDs depends on their publishers. The icons displayed in the functions banner may therefore vary.*

Hidden information is sometimes contained on a disc. To see this information, you must first enter a password, which is generally shown on the disc's cover or on the disc itself. This password is only linked to the disc; it is unrelated to your player. The disc's password can sometimes be found on the publisher's Web site.

***Important**: Unlike Video DVDs, Audio DVDs do not have a Region code. You can therefore buy Audio DVDs anywhere in the world.*

*To play an Audio DVD on 2 loudspeakers in very high quality stereo, if the Audio DVD provides a 192 KHz/24 bits signal you should use the 2 stereo channels, L and R (marked (**8**) on page 6).*

CD-Rs and MP3 files - (Recommendations) (1)

About CD-R discs

This unit can play most CD-R discs. However, depending on the condition of the CD-recorder, computer and the disc used, you may find that not all discs will play successfully. When playing a CD-R disc, it is completely normal for the unit to take up to 20 seconds to recognize the disc before starting to play. If the disc is not recognized after a period of 20 seconds, remove the disc, and then insert it again. If after several trials, this disc cannot be recognized, make sure you have followed the recommendations below or try another type of disc. There are two main types of recordable CDs:

- *CD-R audio discs (for music only), which should be used when recording with Hifi CD-audio recorder.*
- *CD-R Data discs are designed for recording via a CD writer on a personal computer. Use these discs as a preference.*

EN

- As a preference, opt for CD-Rs instead of CD-RWs (rewritable CDs) as, in certain cases, CD-RW playback may be faulty.
- As a preference, opt for 74-min (650 Mb) CD-Rs instead of 80-min (700 Mb) CD-Rs.
- Fermer toutes les applications de votre ordinateur personnel afin d'optimiser la qualité et la fiabilité de vos enregistrements sur le disque.
- Use reliable, good-quality CD writing software.
- Whatever the real recording capacity of the CD-R, do not use more than 630 Mb of recording space on the disc.

  Make sure that the recording is "long enough" to be played. If the recording is too short, disc identification time may be increased.

About MP3 files copied onto CD-Rs

In the case of CD-R MP 3 discs, please follow all the recommendations for CD-R above, plus the comments below:

Format

- **Your MP3 files should be ISO 9660 or JOLIET format**. ISO 9660 format and Joliet MP3 files are compatible with Microsoft's DOS and Windows, and with Apple's Mac. These two formats are the most widely used.

Name

- **When naming your MP3 files do not exceed 12 characters, and place ".mp3" as the file extension**. General name format of: Title.mp3. When composing your title ensure that you use 8 characters or less, have no spaces in the name, and avoid the use of special characters including (. , / , \ , = ,+).

Compression

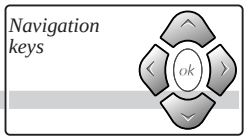
- **Use a decompression transfer rate of at least 128 kb/sec (kilobytes/second) when recording MP3 files.** Sound quality with MP3 files basically depends on the rate of compression/decompression you choose. Getting audio CD quality sound requires an analog/digital sampling rate, that is conversion to MP3 format, of at least 128 kb/sec and up to 160 kb/sec. However, choosing higher rates, like 192 kb/sec or more, only rarely give even better sound quality. Conversely, files with sampling rates below 128 kb/sec will not be played properly.

Protection

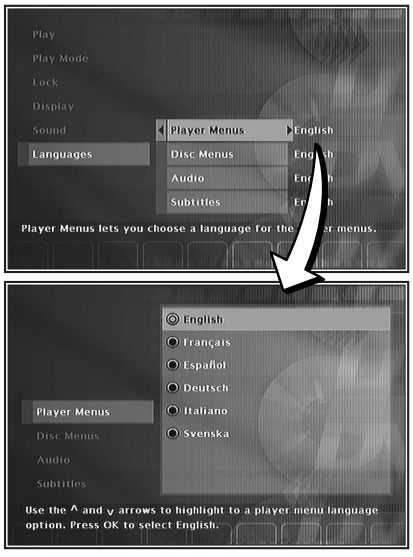
- **Do not try recording copyright protected MP3 files**. "securized" files are encrypted and code protected to prevent illegal copying. These files are of the following types: Windows Media™ (registered trade mark of Microsoft Inc) and SDMI™ (registered trade mark of The SDMI Foundation). You must not copy such files.

1 ***Important**: The above recommendations cannot be taken as a guarantee that the DVD player will play MP3 recordings, or as an assurance of sound quality. You should note that certain technologies and methods for MP3 file recording on CD-Rs prevent optimal playback of these files on your DVD player (that is degraded sound quality and even, in some cases, inability of the player to read the file or files).*

Preferred languages



Your player gives you a selection of languages to choose from. You can change the language of the player menus, the language of the disc menus, the language of the dialogues and that of the subtitles. In the menu, choose your preferred language for dialogues and subtitles. If it is available on the DVD you will be playing, it will be selected automatically. The default language is the one which is selected in the main menu. During playback, you can display or remove the subtitles and change the language of the subtitles using the banners.



When the player's menu is displayed (in Stop mode):

1. select **Languages** using the **Navigation** keys,
2. press ***ok*** to validate,
3. select a function with the **Navigation** tools and validate with ***ok***,
4. choose the language with the **Navigation** keys,
5. press ***ok*** to validate.

• *If there is no English on the disc for menus, dialogues, and / or subtitles, the player selects the default language of the disc.*

• ***If you chose "English" during the initial setting (carried out on page 5):***
- the main menu, in English,
- the menus of the disc, in English (if available),
- the language of the dialogues, in English (if available).

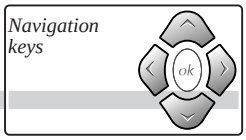
Language of player menus

The language of your player menus was determined upon installation (➔ page 5). You can nevertheless change it by following the procedure given on this page.

To change the language of the player menus, select **Player Menus** then press ***ok***. Choose the language using the **Navigation** keys and press ***ok*** to validate.

Language of disc menus

To change the language of the disc menus, select **Disc Menus** then press ***ok***. Choose the language using the **Navigation** keys and press ***ok*** to validate.
If the language chosen is available for a title, it is then automatically selected.



DVD - Language of the dialogues

Some discs offer a selection of languages for the dialogues. The default language is the one you selected during installation (➔ page 5) or the one you set according to the instructions on the previous page, provided this language is available on the disc being played. To change the language of the dialogues, your player offers you two possibilities (1):

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From the player menu

In **STOP** mode, the player menu is displayed. Use the **Navigation**, keys to select the **Languages** then **Audio** to access the list of languages available (2).

From the banner

During **PLAYBACK**, display the banner using the ***info*** key and select the Audio icon with the **Navigation** keys. Choose one of the languages available on the disc.

With DVDs which have a DVD menu, we recommend that you use the disc menus rather than the player menu.

*You can also change the language of the dialogues and subtitles (if they are available on the disc). During playback, display the disc menu using the **menu** key. Then use the **Navigation** keys.*

If the language chosen is also available on the DVD, it will be selected as the dialogue language. If it is not available, the preferred disc language will be selected.

DVD - Language of the subtitles

Some discs offer a selection of subtitle languages. The default language is the one you selected during installation (➔ page 5) or the one you set according to the instructions on the previous page, provided this language is available on the disc being played. To change the language of the subtitles, your player offers you two possibilities (1):
With DVDs which have a DVD menu, we recommend that you use the disc menus rather than the player menu.

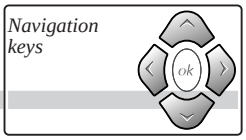
From the player menu

In **STOP** mode, the player menu is displayed. Use the **Navigation** keys to select the **Languages** then **Subtitles** to access the list of languages available (2).

From the banner

During **PLAYBACK**, display the banner using the ***info*** key and select the Subtitles icon with the **Navigation** keys. Choose one of the languages available on the disc.

Lock



*To enable the **Lock Player** function, you must enter a password. The **Ratings Limits** function enables you to control the type of discs or programs that your family can watch. If certain discs contain information or scenes that exceed the rating limit you've set, they will not be played. There are 8 rating levels.*

Load a disc and press **STOP**.
The player menu appears.

1. Select **Lock** using the **Navigation** keys.
2. Press ***ok*** to validate.
3. Select a function with the **Navigation** tools and validate with ***ok***.
4. Adjust the setting using the **Navigation** keys.

DVD - Lock Player

1. Select the **Lock Player** line and press ***ok*** to validate.
2. You are requested to enter a "**new password**". Enter your four-digit number (1) using the remote control number keys, then press ***ok*** to validate.
3. You are requested to confirm. Repeat the operation.

- To disable the lock, select the **Unlock Player** line and press ***ok*** to validate.
- To change your password, select the **Change Password** line and press ***ok*** to validate. Enter your new 4-digit code. Enter it once more to confirm.

(1) *Choose a four-digit number that you will be able to remember easily or note it down.*

- *If you've forgotten your password, consult the Troubleshooting guide at the end of this manual (➔ page 27).*

DVD - Ratings limits (1)

Choose the rating limit: select **Rated Titles** then press ***ok*** to validate. Select the level using the **Navigation** keys, then press ***ok*** to validate.

- Non-indexed titles can all be freely accessible or require a password: select **Unrated Titles** then press ***ok*** to validate. Select "**Free Access**" or "**Password Required**" then press ***ok*** to validate.

(1) *This function is only available on DVDs for which the publisher has set a rating limit. It therefore depends on the disc.*

(1) *In Europe, very few discs have rating limits.*

Appendix

Troubleshooting guide

Before requesting service (troubleshooting).

No power?
- Correctly connect the AC Power Cord to an AC Outlet.

There is no picture?
- Turn on the TV set and your DVD player.
- Check connections.
- Make the correct input selection on the TV set.
- To deactivate the Progressive Scan function, press and hold down the "⏭" X button on the front of the player.

The remote control does not work?
- The batteries are fully discharged and must be replaced. When you insert the replacement batteries, ensure you align their positive and negative polarities correctly (➔ page 4).
- Remove batteries and hold down one or more keys for several minutes to drain the microprocessor inside the remote to reset it. Reinstall batteries and try remote again.
- Point the remote control to the front of the player.
- Operate the remote control within an 8 m range from the player.
- Remove any obstacles between the remote control and the red LED on the player.

There is no sound or it can hardly be heard?
- Make the correct audio input selection and volume adjustment on the TV set or hifi system (amplifier or AV selector).

There are no subtitles?
- Check that the subtitle is recorded on the disc.
- Subtitles disappear from the TV screen. See how to display subtitles.

The menu language is not the one you want?
- The menu language for your player has not been set during set-up.
- Your preferred menu language on a DVD disc (if available) has not been set during set up.
- The menu is not available in your language on the DVD disc.

Audio (spoken) and / or subtitle language is not the one selected during the initial player set-up?
- If the audio or subtitle language is not available on the DVD disc, the language selected during initial player set-up will not be heard or seen. The disc's priority language (default language) is selected automatically. If you want another language, press "🔊" key and "💬" key to select it temporarily for this disc (Or press ***menu*** during playback, if the disc has its own language selection menu).

If you forget your code key number for the parental rating (locking) function, you must do the following:
- Open the player's disc tray and, if it contains a disc, remove the disc. Close the disc tray. The player now displays its menu on the TV screen. While pressing and holding down your player's **SKIP** "⏭" key, press and hold down the remote control's **STOP** key for at least two seconds. Release both keys when the menu changes. The player's menu switches back to English and any settings that have been changed since the player was first installed are reset to the original delivery settings (factory settings). Should you wish the player to display its information in a language other than English, the language selection menu is displayed after you switch the player off and then on again to repeat its initial setup process. See page 5 of this manual for instructions on how to set up the player again.

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Technical data

Power requirements: AC 230 V, 50 Hz **Power consumption:** 15W (approx. 2,5 W when power is OFF)
Operating temperature range: + 5 to + 35° C **Operating humidity range:** 10 to 75% (no condensation)
Audio signal to noise ratio (DVD): 110dB (A wtd)* **Playback heads**: 2 Class 2 Laser diodes – Wavelength: 655/780 nm.

* *Nominal Specification.*

• *THOMSON Multimedia reserves the right to change the specifications without notice.*

If you encounter difficulties

Advisors are at your disposal to help you solve your problems at this telephone number.

THOMSON HELPLINE	You can contact THOMSON by dialling: **0845 601 3093** (For Great-Britain, all calls will be charged at local rate) www.thomson-europe.com

Universal remote control (TV-HIFI)

Universal remote control setting - Keys that can be used

You have the opportunity to adjust your remote control so that it can control your TV or AV amplifier. To do this follow the instructions below.

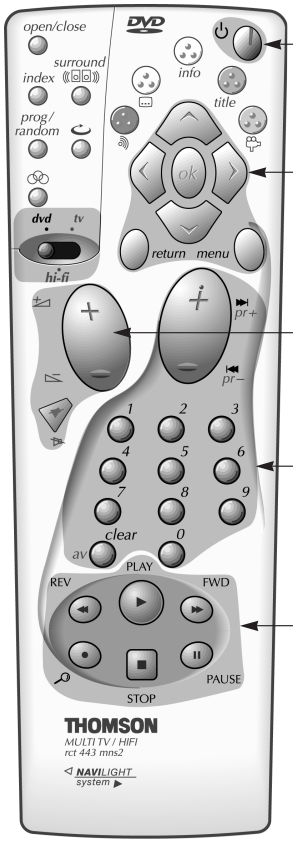
1. Place the switch ***dvd • hifi • tv*** on the device you want to control.

2. Look for the 3-digit code of your device's brand in the table of brands on the page 29 (Highlight it with a pencil, for example).

3. Hold the ***menu*** key down and key in the 3-digit code corresponding to the make of your TV set. Depending on your TV set model, it may be necessary to try several of the proposed codes.

4. Release the ***menu*** key.

- Try to operate the device by switching it on / off with the ⏻ key.
- If it does not work, repeat from step 2 with another 3-digit code.



- To switch off (put on standby) or on (according to the device).
- Control of menus or special functions.
- Volume, cutting of sound, change of channel.
- Change of channel and inputting digital values.

Reading key, disk functions.

• When several codes are proposed to you, try each code so as to determine which one will cover the most functions.

• ***If you have replaced the batteries of the remote control, perform the remote control set-up again.***

• The keys that can be used on the remote control depend on the brand, the model and years of marketing the devices to be ordered (TV, amplifier). It is even possible that in older models no key works.

Universal remote control

Brand codes information

List of TV brands	Code
Akai	008, 020
Akari	028
Bang & Olufsen	009, 019
Blaupunkt	023
Bluesky	020
Brandt	000, 001, 010, 020
Brionvega	019
CGE	016
Continental Edison	004
Daewoo	020, 025
Elbe	005, 015, 023
Ferguson	000, 001, 003, 004, 010, 020
Finlux	019, 020, 024
Fisher	008
Formenti	019
Goldstar	020
Grundig	016, 023, 024
Hitachi	007
Imperial	016
JVC	013
Kneissel	020, 025
Loewe	020
Loewe opta	019, 020
Luxor	005
Metz	013, 019, 023
Mitsubishi	017, 018, 020
Mivar	016
Nokia	005
Nordmende	000, 001, 010, 020

List of TV brands	Code
Orion	005, 020
Panasonic/National	005, 012, 026
Philips	019 - 021
Phonola	019 - 021
Pioneer	001, 005
Polytron	020, 027, 029
Radiola	019 - 021
Radiomarelli	019
Rex	005
Saba	000, 001, 005, 010, 019, 020
Salora	005
Samsung	020, 030
Sanyo	008, 018
Schaub-Lorenz	005, 016, 020
Schneider	019 - 021
Seleco	005
Sharp	018, 022
Siemens	023
Singer	001, 002, 019
Sinudyne	019
Sonitron	008
Sony	014, 018
Teleavia	001, 010, 020
Telefunken	000, 001, 002, 010, 020
Thomson	000, 001, 002, 010, 020
Toshiba	006, 016, 018, 024
Wega	019
Yokan	020, 025
Yoko	020

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List of Hifi Amplifier brands	Code
Denon	502, 515
Harmon Kar	516
Harmon Kardon	503
JVC	517
Kenwood	505, 506, 518
Marantz	507, 519, 520
Onkyo	501
Pioneer	508, 521, 522
Sony	509, 514, 523
Thomson	500, 511
Technics	513
Yamaha	510, 512

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